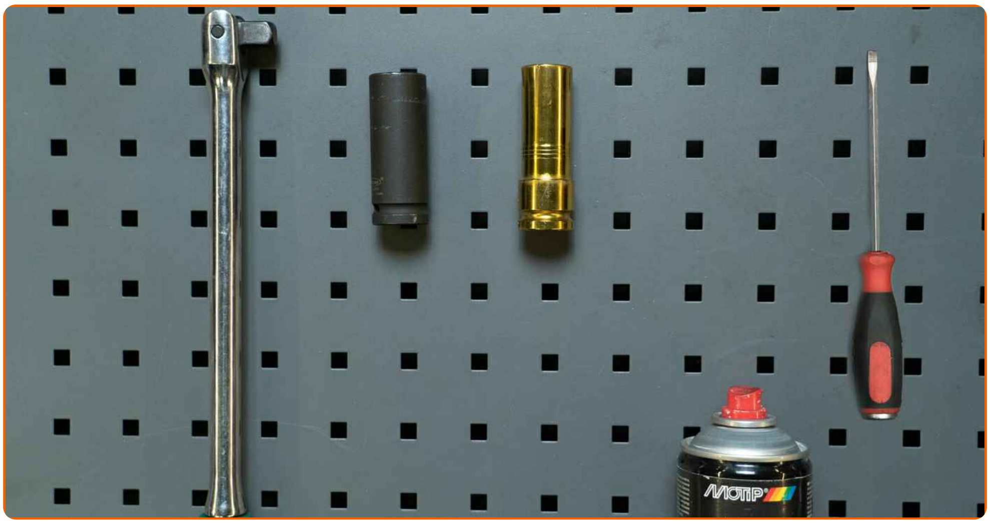
AUTODOC CLUB

How to change shock absorber dust cover & bump stops on a car – replacement tutorial

VIDEO TUTORIAL



REQUIRED TOOLS:



- Flat screwdriver
- Tap wrench
- Wheel impact socket
- Impact socket
- Ceramic grease
- Jack

BUY TOOLS

Please note!

- The dust boot protects the piston rod of the shock absorber from dirt, water, and other environmental factors
- The bump stop is a cushioning element that limits the travel of the piston rod and prevents the shock absorber body from hitting against the mount
- The dust boot and bump stop can be combined into a dust cover kit or installed separately
- On some cars, the bump stop can be replaced without removing and disassembling the shock absorber
- If the dust boot is attached to the bump stop, then damage to the former will cause malfunction of the latter
- This results in dust and water getting on the shock absorber’s piston rod, causing its corrosion and failure

1 Be sure to support the suspension parts before getting down to work

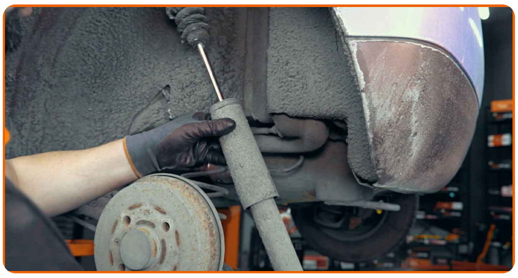
2 Remove the upper fasteners. You can access them either from the car boot or the wheel arch



Replacement of the dust boot and bump stop on a shock absorber mounted separately from the spring

- Carry out replacement in the following order

3 Unscrew the lower shock absorber fasteners from the suspension components and remove the shock absorber



4 It may be necessary to disassemble the shock absorber to reach the dust boot and bump stop



5 Inspect all the parts and replace if necessary



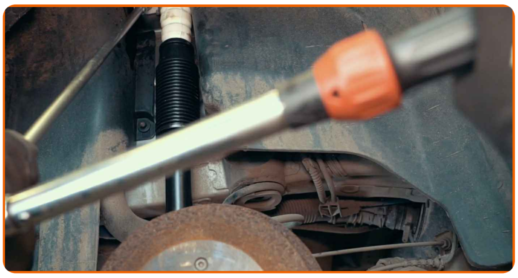
AUTODOC recommends:

- Replace the parts in pairs on an axle

6 Reinstall the components in reverse order



7 Tighten the fasteners to the torque recommended by the car manufacturer



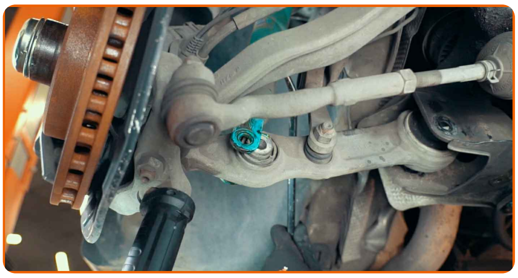
Replacement of the dust boot and bump stop on a suspension strut

- Carry out replacement in the following order

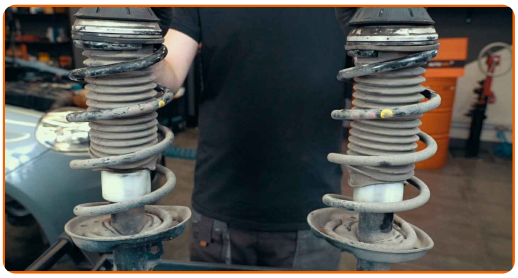
8 Unscrew the suspension strut from the steering knuckle or remove it from its mounting seat on the knuckle



9 In some cases it may also be necessary to disconnect the strut from the suspension arms



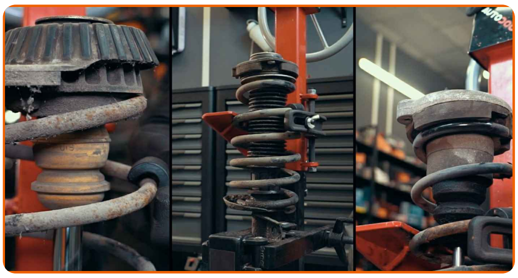
10 Remove the suspension strut



11 Compress and secure the spring



12 Use a special coil spring compressor



13 Remove the upper strut mount in order to reach the dust boot and the bump stop



Please note!

- The bump stop may be installed on the piston rod or attached to the mount
- The dust boot may be fitted on the bump stop, installed between the spring and mount, or secured to the mount.

14 Reassemble all the components in reverse order.



Important!

- Pay attention to the strut mount position to ensure it's facing in the right direction

15 Fit the suspension strut into its mounting seat



16 Tighten the fasteners to the torque recommended by the car manufacturer



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